

Interleukin-8 receptor A: SeqID: ENSP00000295683 Sequence and pentamer URS distribution

MSNETDPQWDEDDENFTGMPADEDYSPCMETETLNKVVIAVALVELLSLGNSLVMEVILSR
VGRSVIDVYLLNALADLEFALLPIWASKVNGWIFGTLCKVSLKEVNFYSGILLACISVDRY
LAIVHATRTLTOKRHLVKEVCLGWGLSMNISLPFLROAVHPNSSPVCYEVLGNDIAKWMVLRI
LPHTEGFIVPLFVMEFCYGFTLRTLFKAHMGOKHRAMVIFAVLLELLCMPPNLVLLADTLMRTOV
IOESCERRNIGPALDATEILGFLSCLNPIIAFIGNERHGFLKILAMHGLVSKEFLARHRVTSYT
SSSVNVSSNL

ENSP00000295683: list of pentamer URS peptides: (total number: 35) AHMGOAKWRMAVHPNICERRNCLGCWOXGFT
DNEIDPQWMDIAKWFOXGFEKAHMGONERHTEFIWASKWRMVKVIMGOKHIMPADNETGMINGWIFPQWD
PNLVOKHRAQMWDEQNERHIAKWRTDPQMVCLGOVOEVVMEFCVNGMIDEDWIFGTIRMVLYSPCM
URS: Pentapeptide

Figure 1

Histamine H1 receptor: SeqID: ENSP00000273023

Sequence and pentamer URS distribution

MSLPNSSCLLEDK MEGNK ITMASPQMLPLVAVLSILGLVAVGNNLELVAVR SER K LHTVGN
 LYIVSLSVADLIYGAVVMPNNILYLMSK MSLGR PLGLFMLSMDYVASTASTSVFLLCLDR YR
 SVQOPLR YLK YR YR TR ASATILGAWLSLWVIPILGNNHMOQTSYR R EDK CELDYDV
 TWFK VMTALINFLPLTLLMLNFYAK IYK AVR QHQHQR ELINR SLPSFSEIK LR PENPK G
 DAK K PGK ESPMFVVK R K PK DAGGSVVK SPSQTPK EMK SPVFSQEDDR EVDK LYC
FPLDIVTHMQAAEGSSR DYVAVNR SHQQR LDEQGLNHGASEISEDDMLGDSQSFSR TDSDIT
 TETAPGR GK LR SGSNIGLDYFK FLWK RL ER SHSR QYVSGLHMR ER K AAK OLGFIYA
AFILGMLPYFLTFMYIAFC NGCNEHLHMTIWLGYINSTLNPILTYPLCNENFK K TFK R ILHI
 R S

URS: Pentapeptide AINFGEGNKGNNENGMIPYDXYDOMGFLGFLAWYFMQGFEMWSMGWNHFLHMFHMTIHTVGNIFEW
 ILGWILMSK LWFYANCGEGNMDYVAMFTWMEWYNGCNEHFMQPLGFLSPVEVIAFCWYAKWNHFMWVPIYGFPL
 Trypsin cutting site URS: Pentapeptide

Figure 2

Figure 3

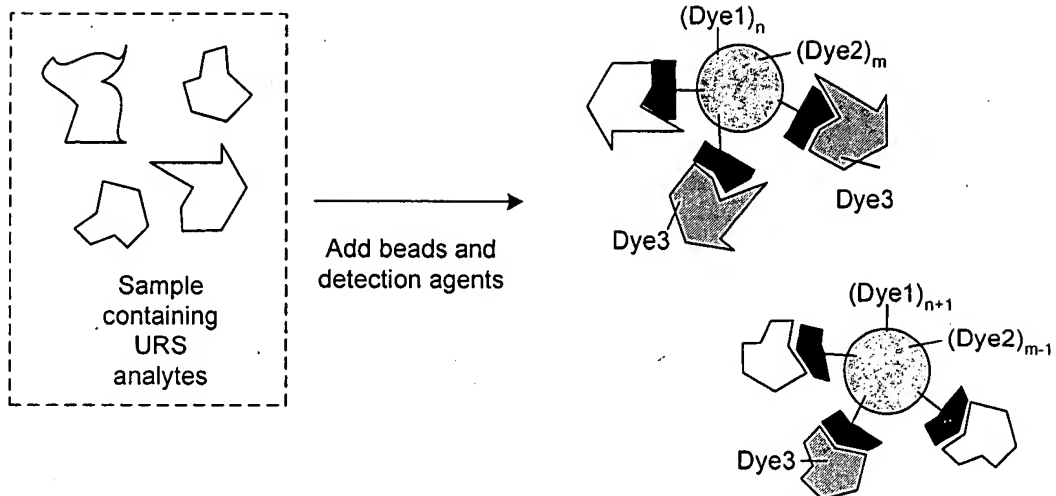
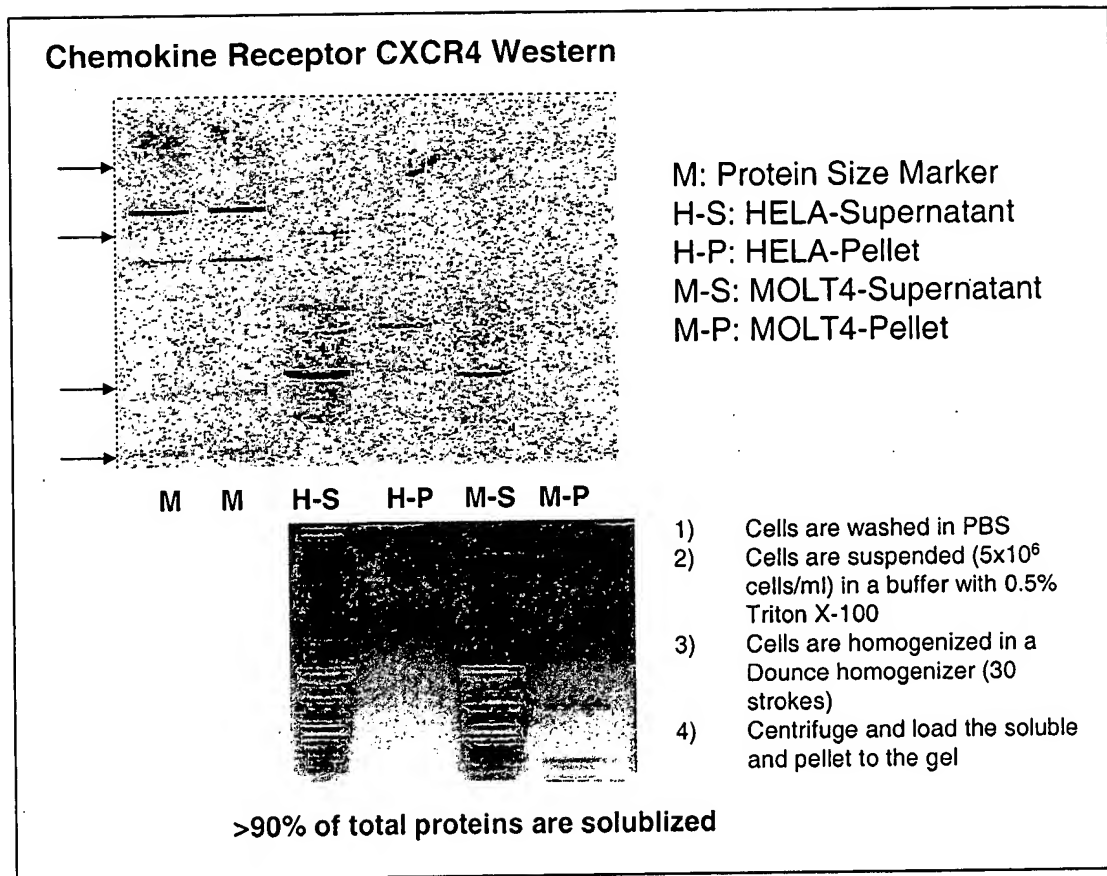


Figure 4



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Figure 5

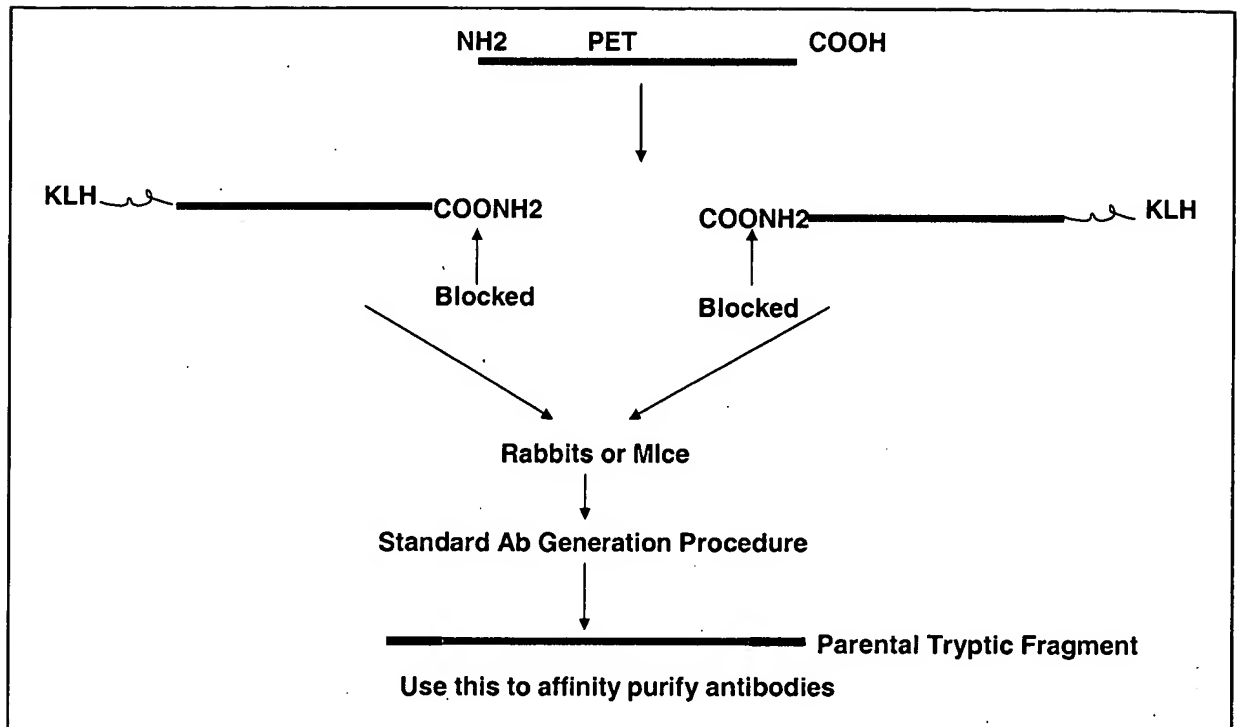


Figure 6

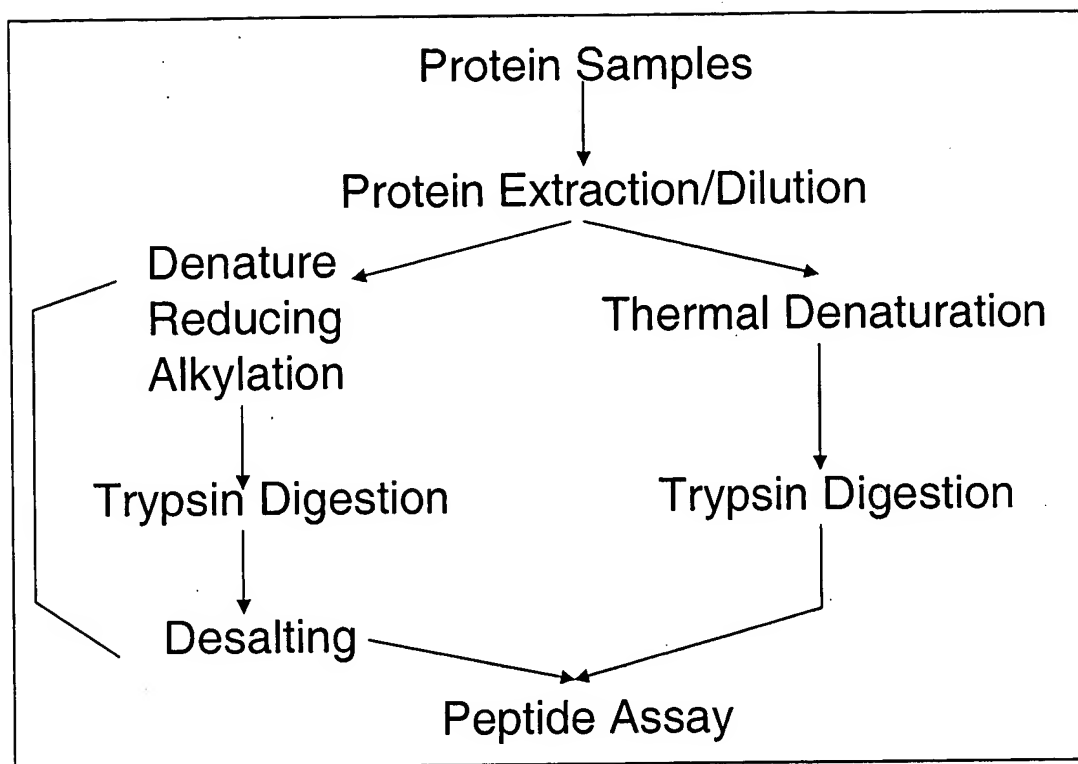


Figure 7

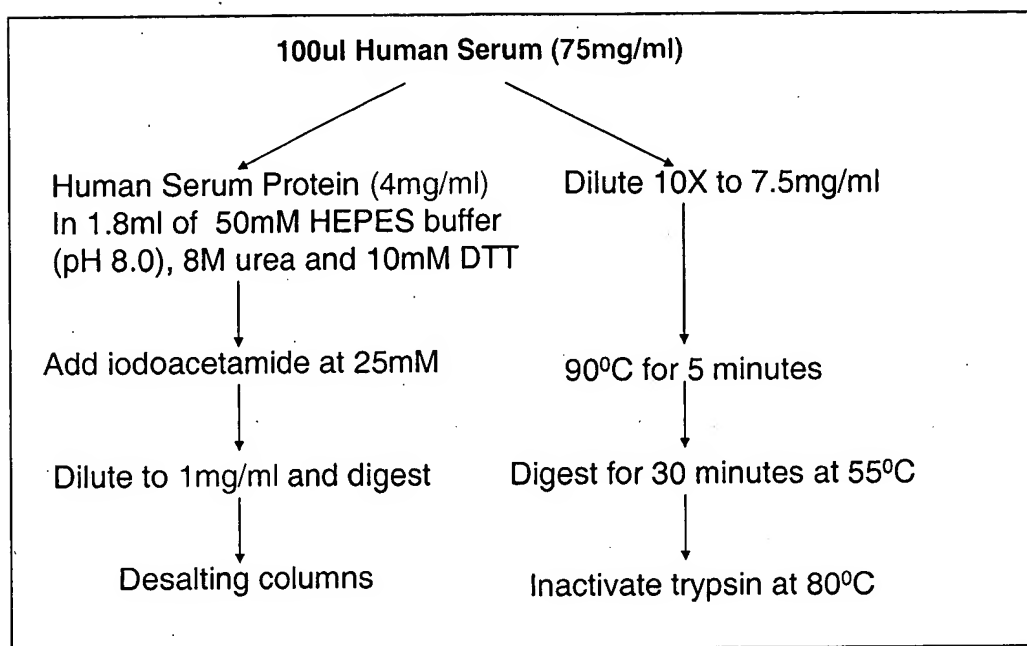
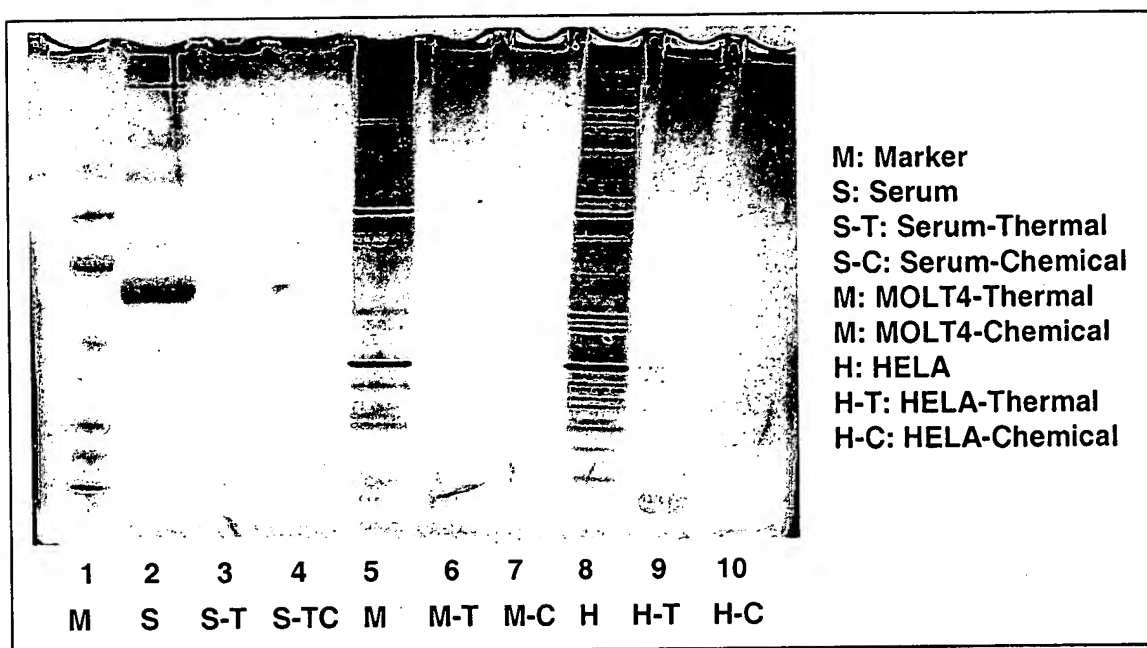


Figure 8



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Figure 9

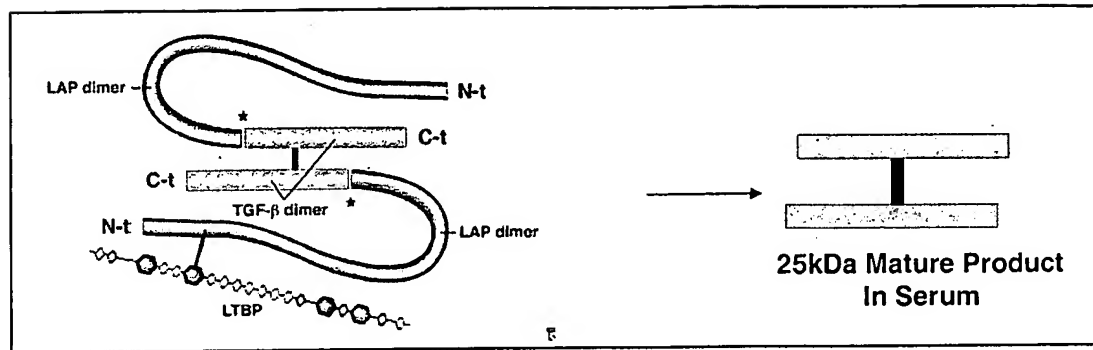


Figure 10

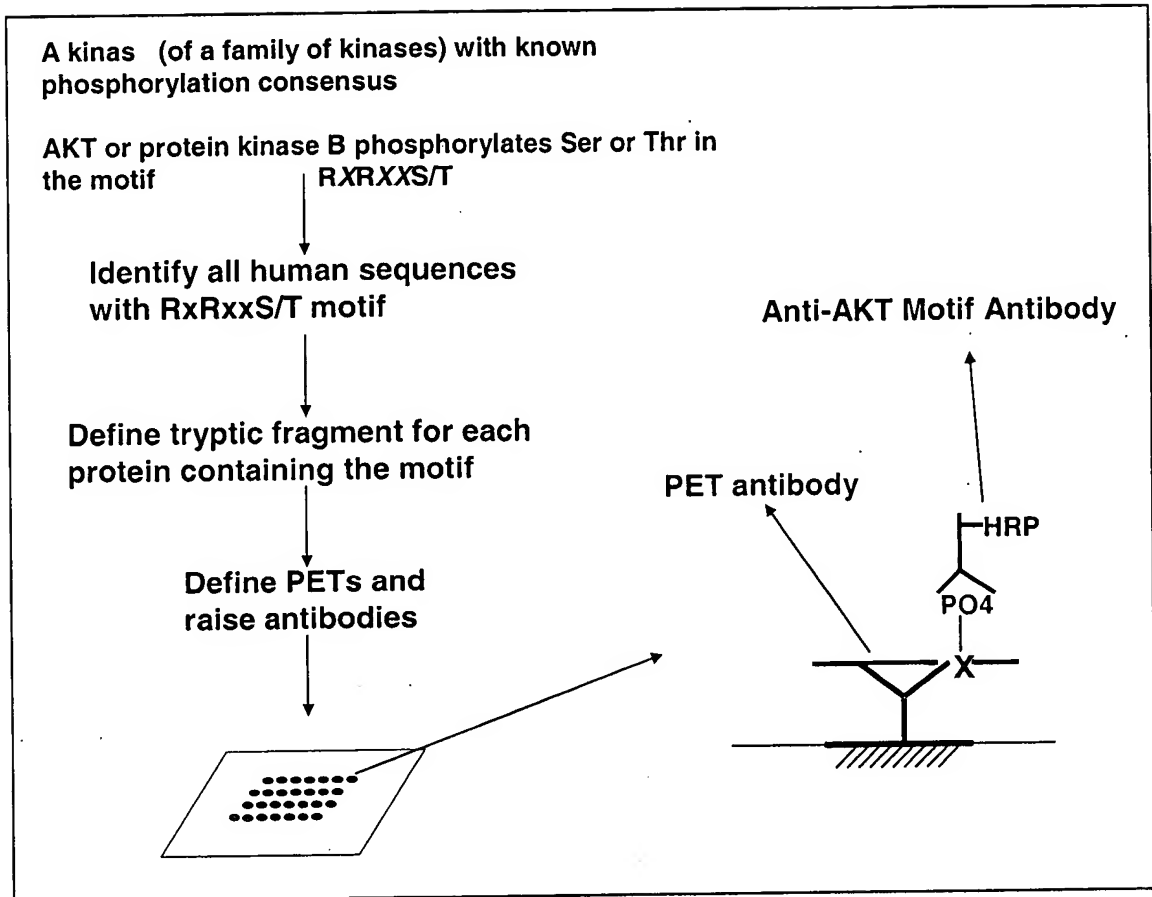


Figure 11

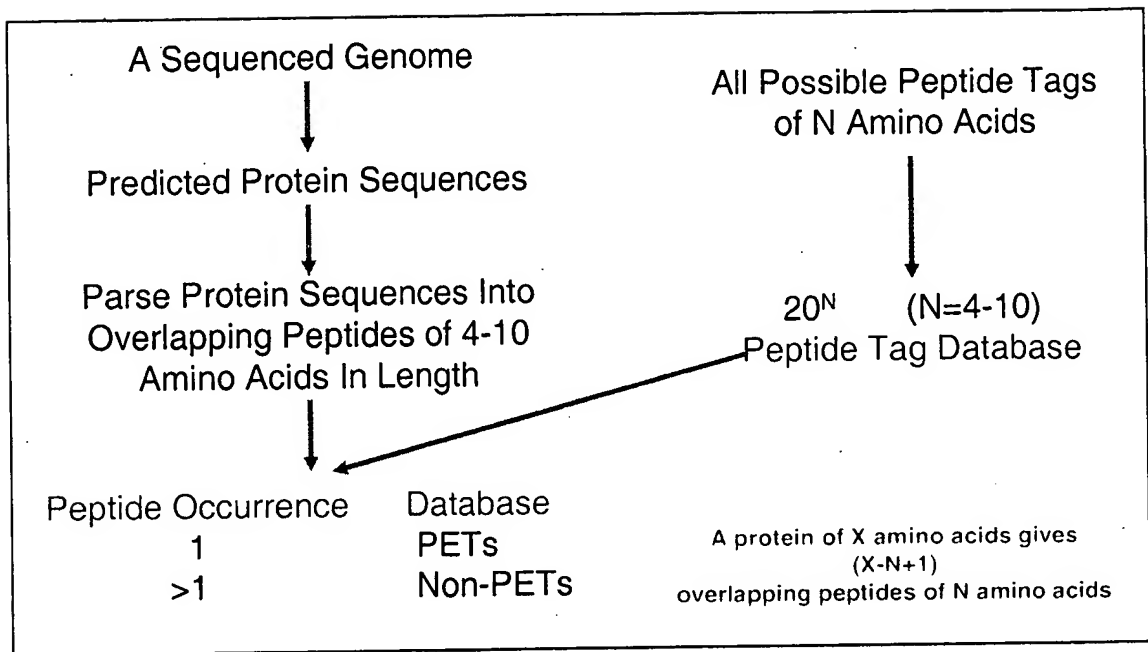


Figure 12

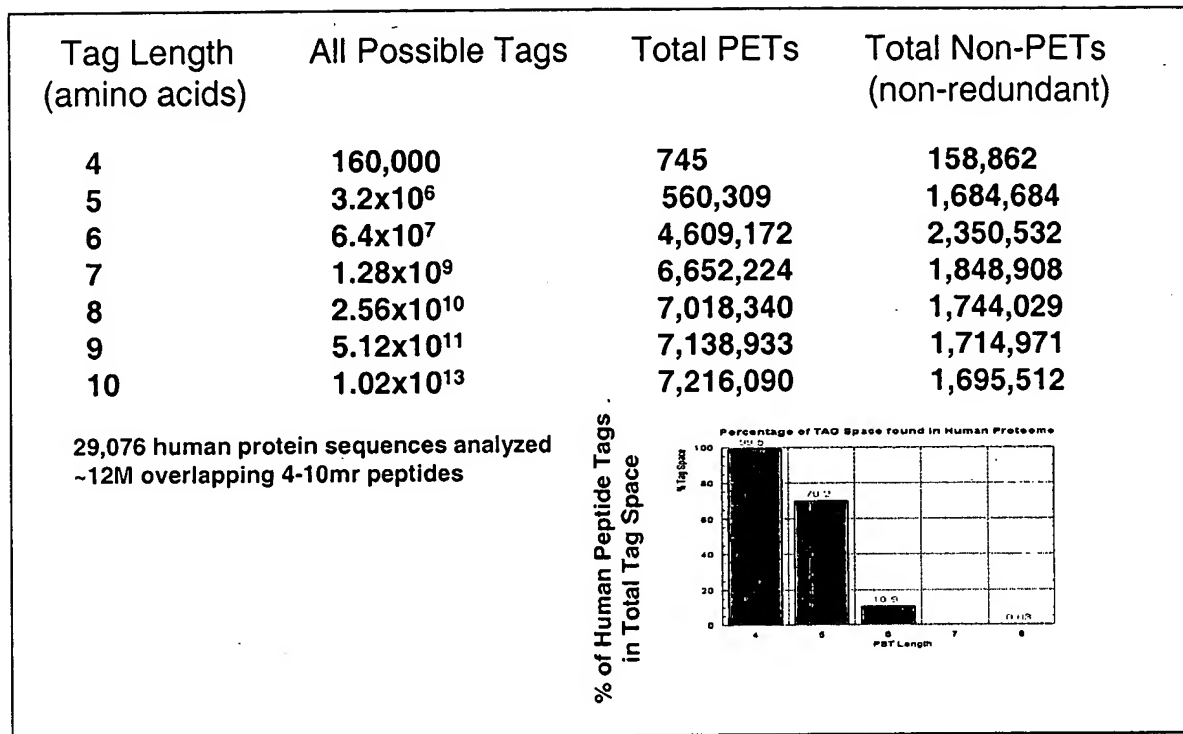


Figure 13

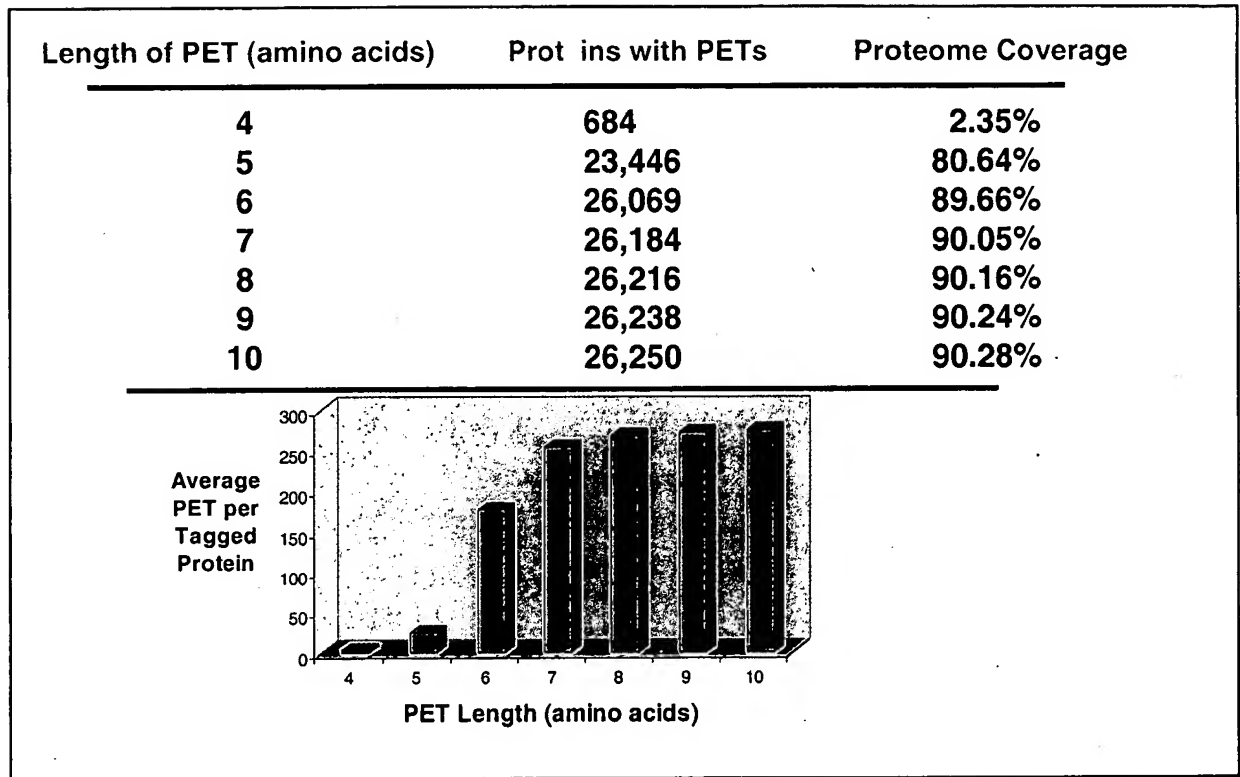


Figure 14

| PET Length (Amino Acids) | Average PETs/Tagged Protein | |
|-----------------------------|-----------------------------|------------------|
| | No Cleavage | Trypsin Cleavage |
| 5 | 24 | 16 |
| 6 | 177 | 98 |
| 8 | 268 | 129 |

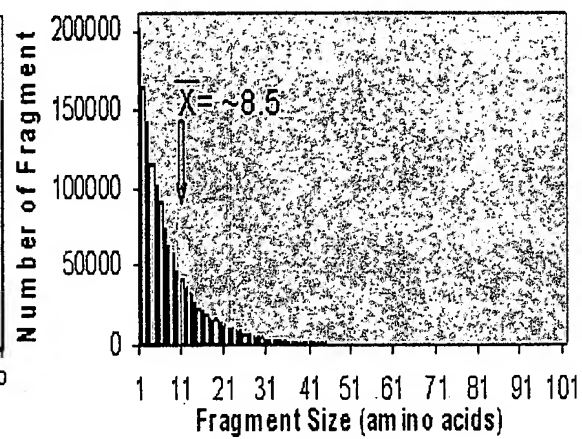
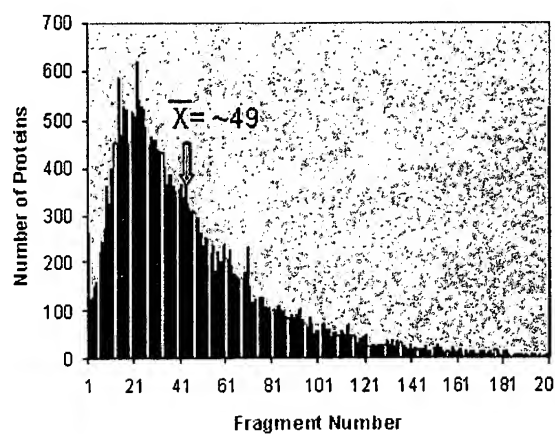
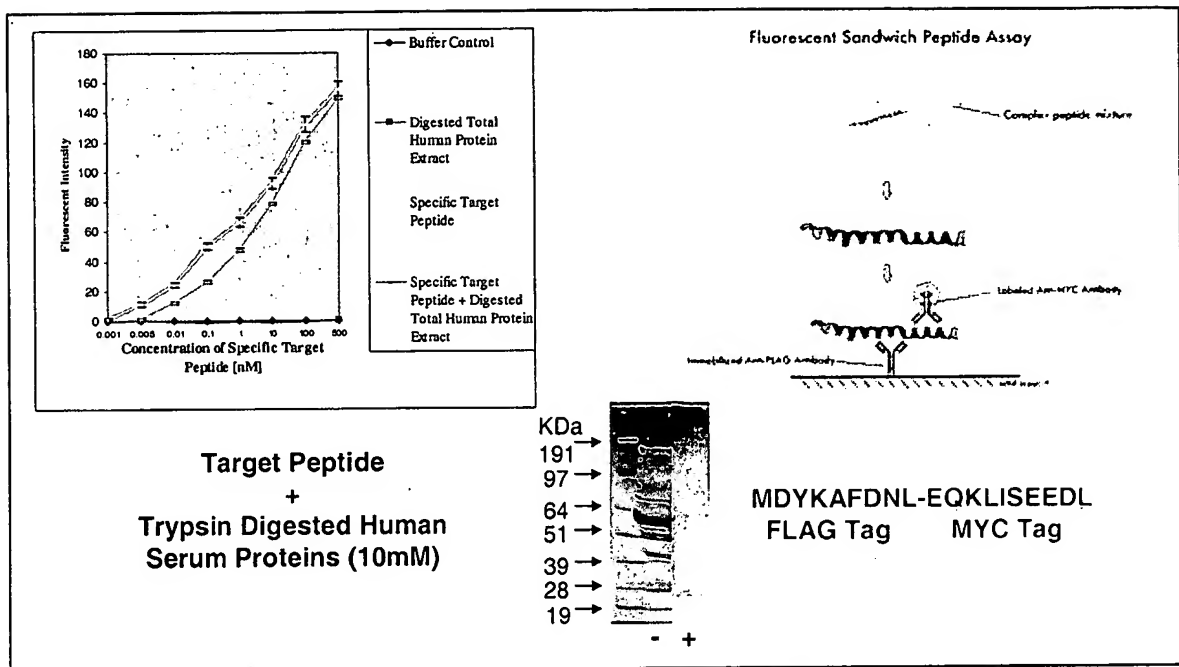


Figure 15



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Figure 16

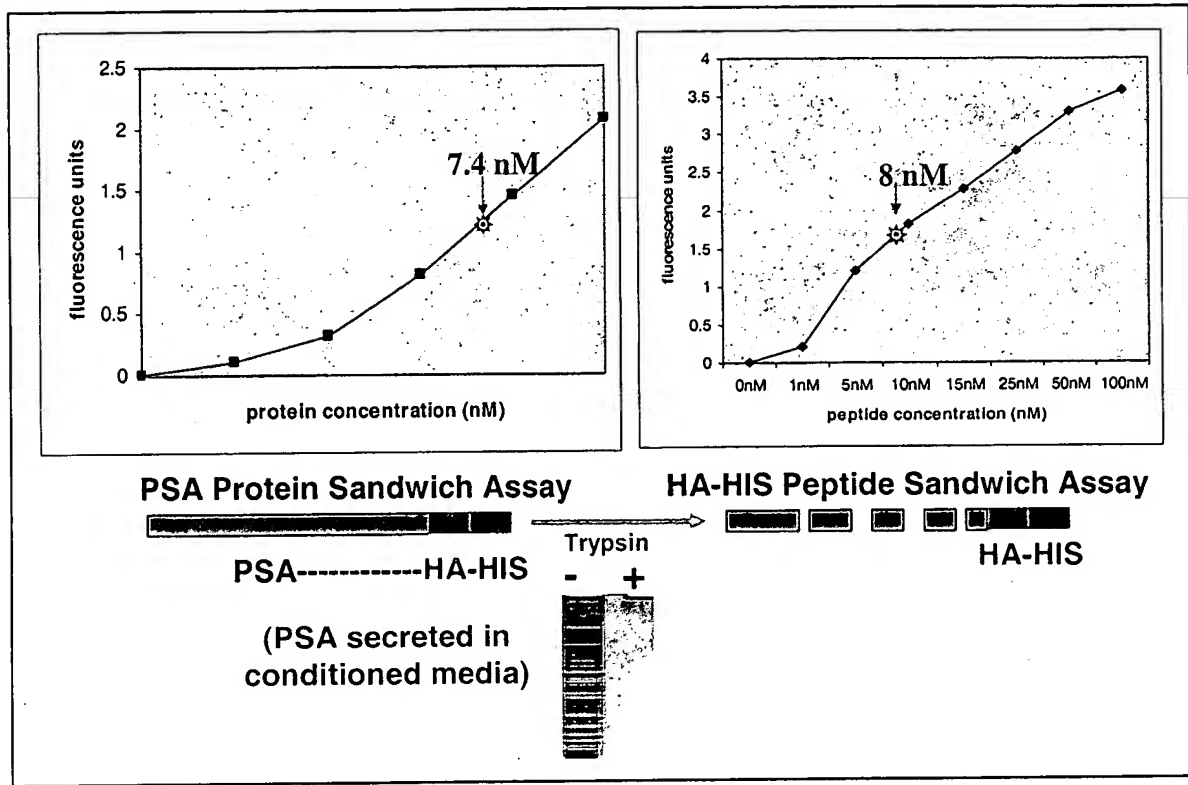


Figure 17

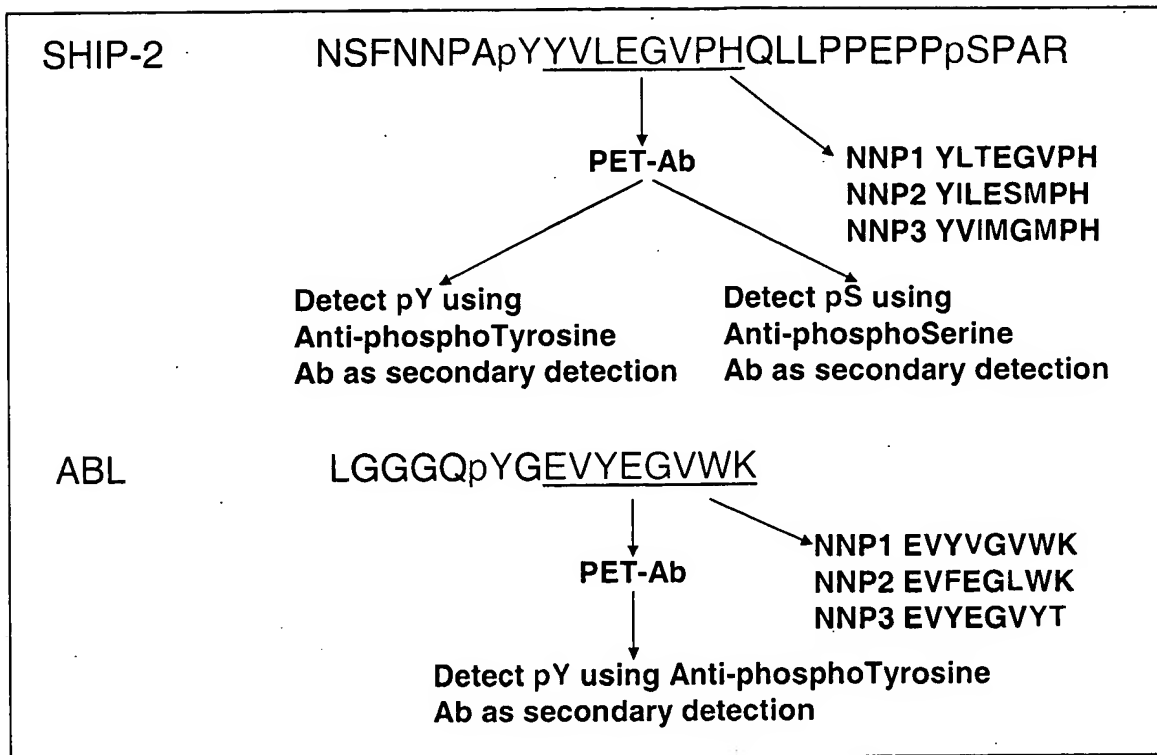


Figure 18

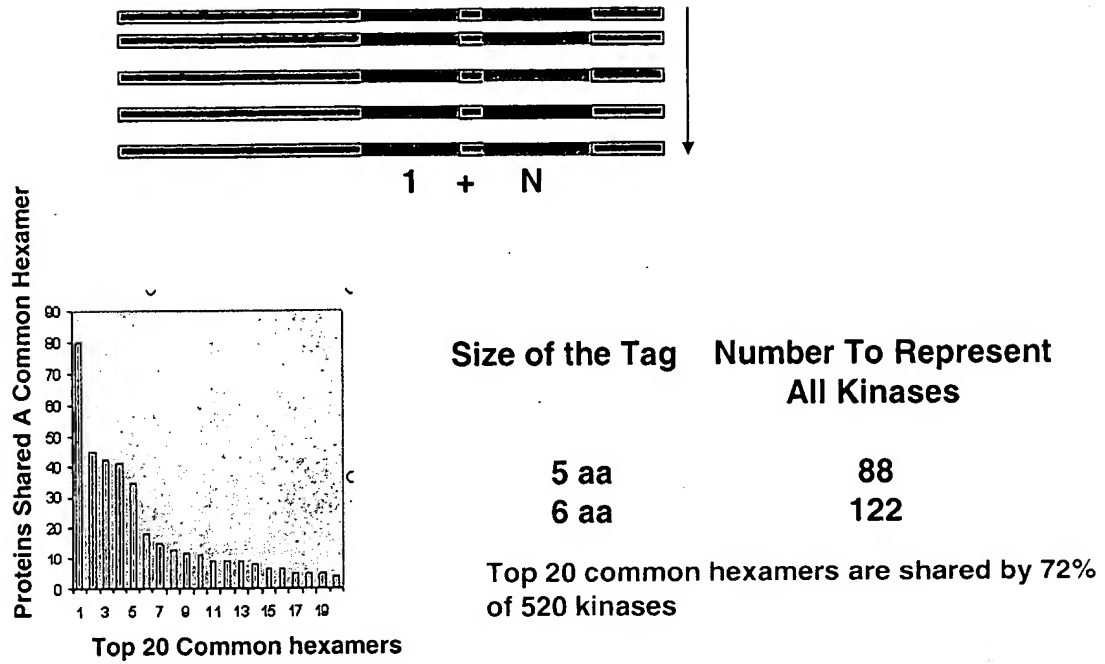


Figure 19

| Protein | Parental Tryptic Peptide | Also Detect |
|-----------------------|-----------------------------------|------------------|
| BRAF | WSGSHQFEQLSGSILWMAPEVIR* | |
| DLK | MSFAGTVAWMAPEVIR | |
| GCK | SFIGTPYWMAPEVAAVER | |
| HH498 | WMAPEVFTQCTR | |
| HPK1 | LSFIGTPYWMAPEVAAVALK | |
| LOK | DSFIGTPYWMAPEVVMCETMK | KSH1,2,HPK1, SLK |
| LZK | MSFAGTVAWMAPEVIR | |
| MAP3K | SMHGTPYWMAPEVINESGYGR | |
| MST1 | NTVIGTPFWMAPEVIQEIGYNCVR | MST2 |
| MST4 | NTFVGTPFWMAPEVIQCSAYDSK | |
| MYO3A | NTSVGTPFWMAPEVIACEQQLDTTYDAR | MYO3B |
| MYO3B | NTSVGTPFWMAPEVIACEQQYDSSYDAR | MYO3A |
| ZC1/HGK | NTFIGTPYWMAPEVIACDENPDATYDVR | ZC2, ZC3 |
| OSR1 | TFVGTPCWMAPEVMEQVR | |
| PAK1 | STMVGTPYWMAPEVVTR | PAK2,3 |
| PAK5 | SLVGTPYWMAPEVISR | PAK6 |
| RAF1 | WSGSQQVEQPTGSVLWMAPEVIR | |
| STLK3 | TFVGTPCWMAPEVMEQVR | |
| TAO1 | ASMASPANSFVGTPYWMAPEVILAMDEGQYDGK | TAO3 |
| TAO2 | ASIMAPANSFVGTPYWMAPEVILAMDEGQYDGK | |
| TESK1 | EPLAVVGSPYWMAPEVLR | |
| ZAK | TTHMSLVGTFPWMAPEVIQSLR | |
| BLUE = PET | | |
| RED = Commone Epitope | | |

Figure 20

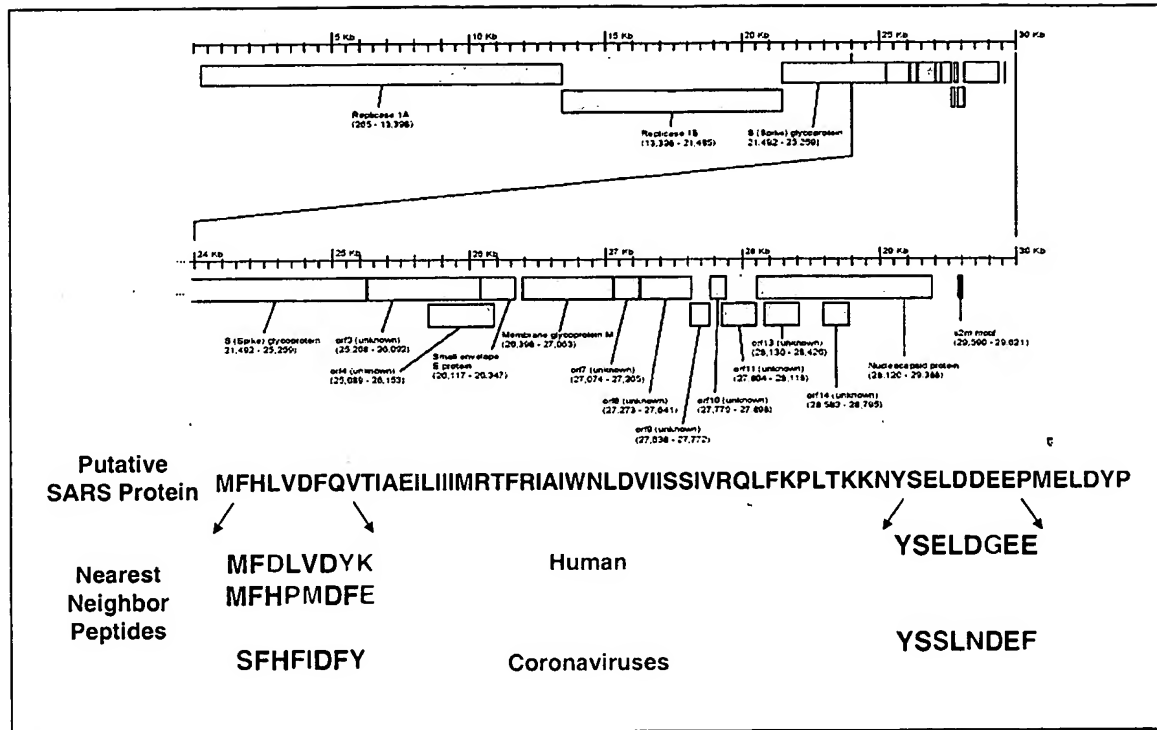


Figure 21

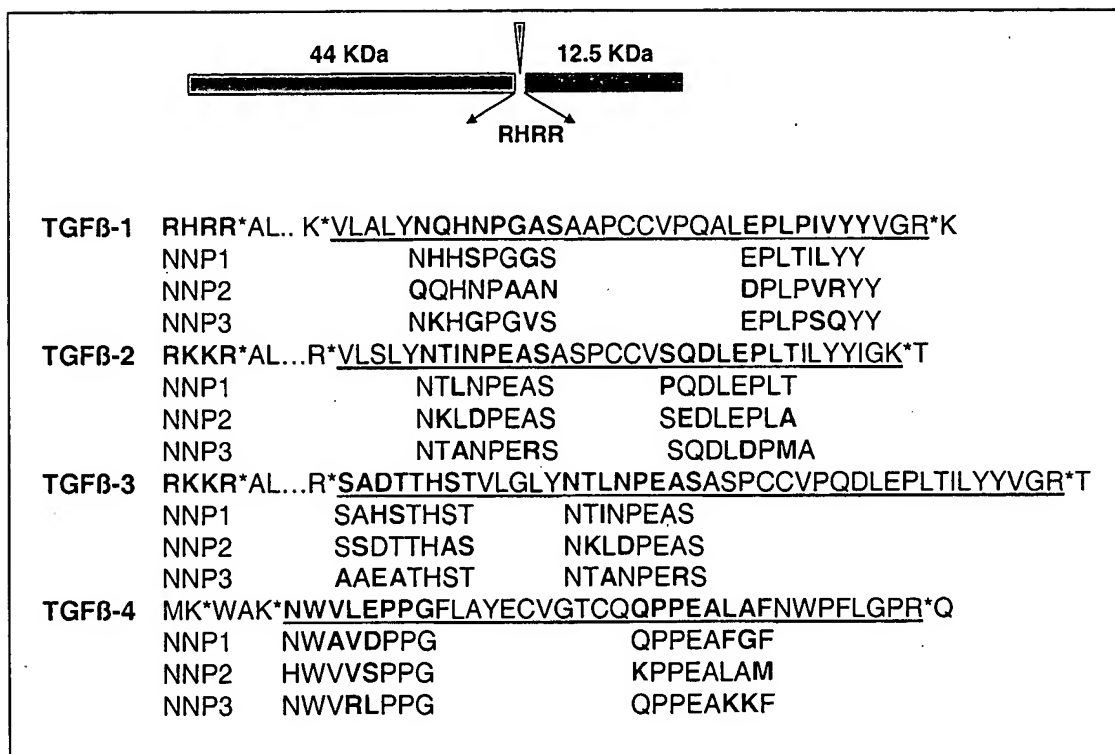


Figure 22

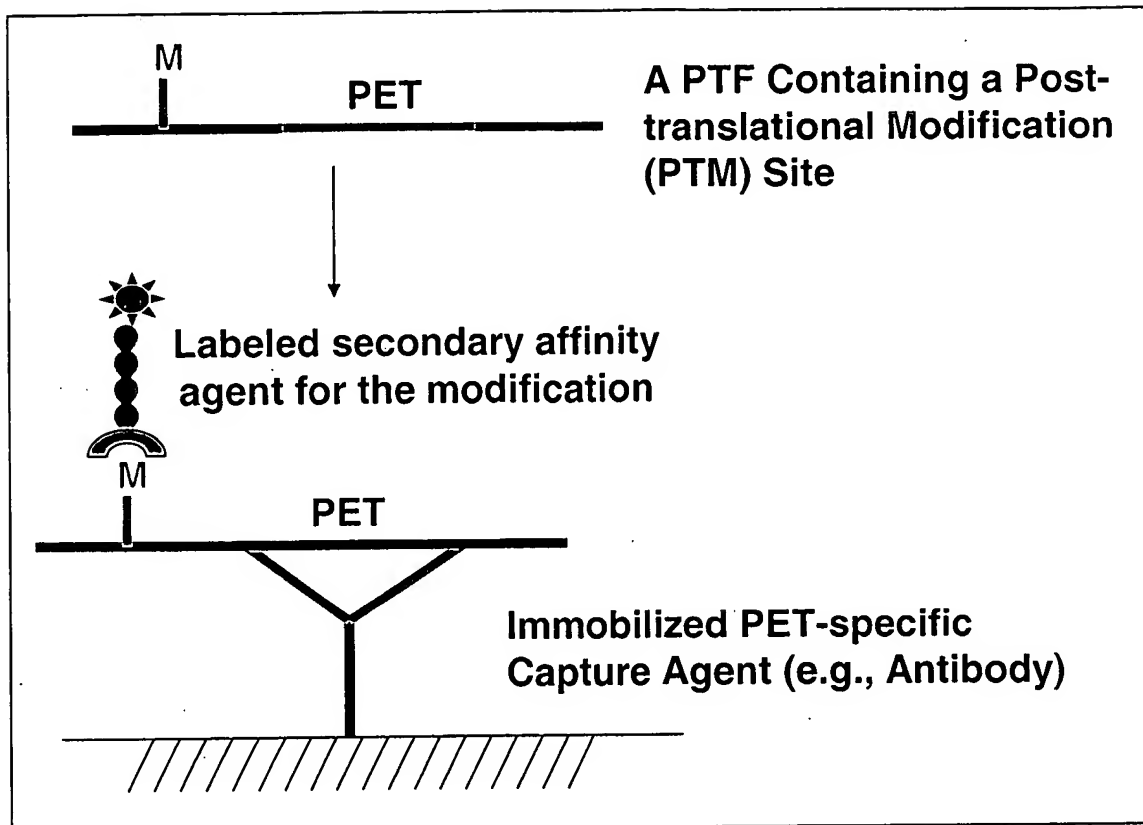


Figure 23

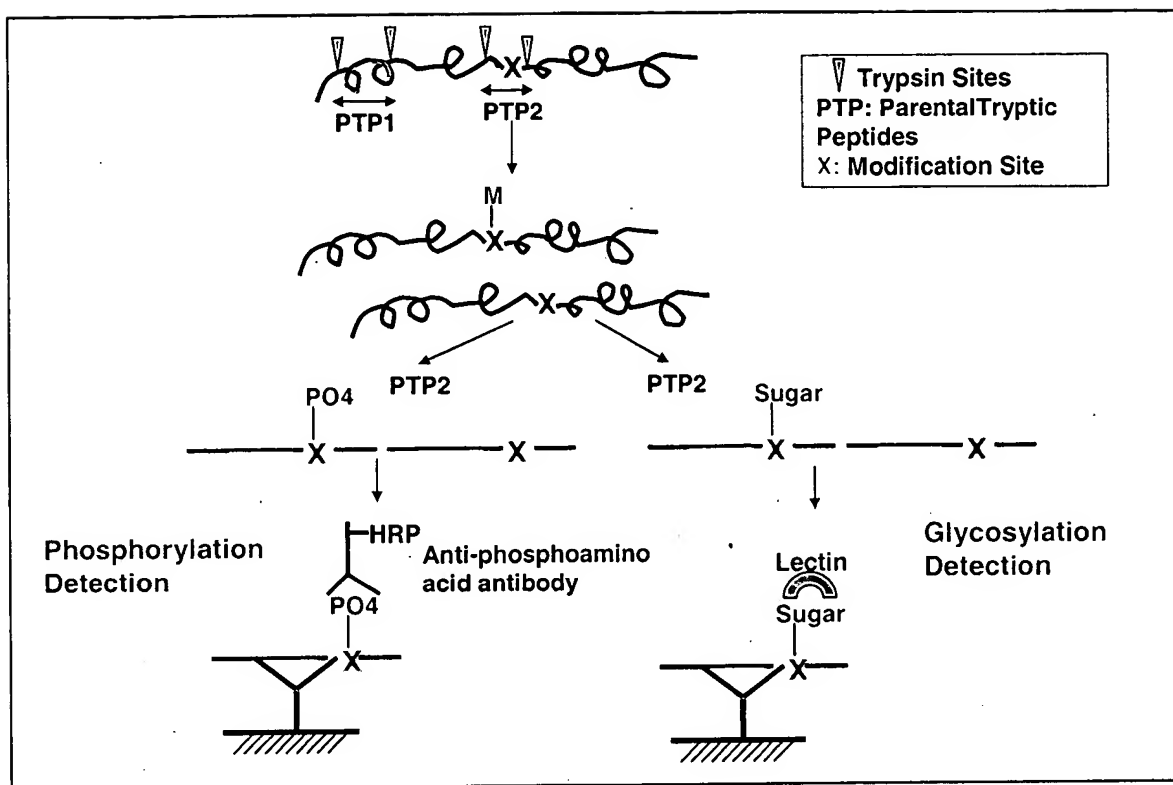


Figure 24

